



Protect & Perfect: Heat-Proof Solutions for Healthy Hair

Natural Solutions for Summer Hair Care



MARKETING TRENDS

01

Skinification is not a fad, but a trend

02

Personalization and Premiumisation

03

Hair Care and Scalp Care are now hand in hand

04

Embracing other hair variants in SEA

05

Climate change is affecting the beauty industry



SCALP CARE

- ① Recognition of the scalp as a separate target area
- ② Reducing scalp irritation, itchiness, and dryness
- ③ Sun protection for the hair and scalp is trending



SCALP CARE

Benchmark





HAIR PORTFOLIO

Surfactants

Sufrasoft HS

Actives

NatPro 8000

NatPro AD

Neosoft SD

Neosoft CD

Neosoft CQ90

Emollients

Glyzer CT200

Glyzer CE200

Glyzer CE300



Sufrasoft HS

Low pH Surfactant / Foam Booster



UPGRADE YOUR FORMULATIONS WITH **HYDROXSULTAINES**



Higher Actives
(~45% Active vs 30%
Active Betaine)



Better Viscosity Profile
Achieve higher
viscosities at lower
dosage



**Coconut
Feedstock**



Improved Foaming
Whiter and denser
foam



**California Prop
65 Compliant**

SUFRASOFT HS

SUFRASOFT VARIANT	SUFRASOFT HS100	SUFRASOFT HS200	SUFRASOFT HS600
INCI Name	Cocamidopropyl Hydroxysultaine	Lauramidopropyl Hydroxysultaine	Lauryl Hydroxysultaine
Structure	R = C6 to C18	R = C12	R = C12
Percent Active	41 – 43%	42 – 45%	42 - 45%
Percent Solids	48 - 51%	47 - 50%	48 - 51%

SUFRASOFT HS **Next Generation Amphoterics**

PROS

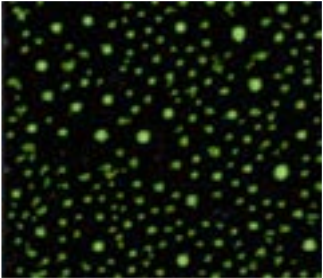
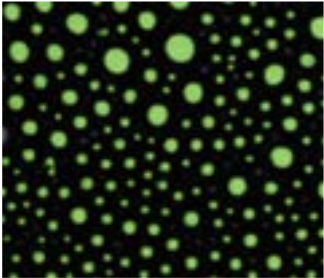
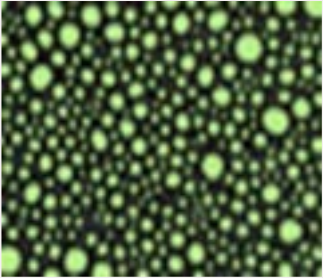
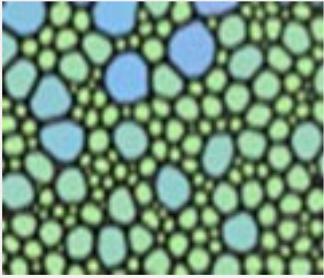
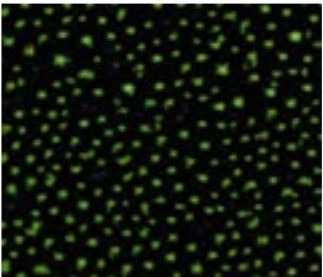
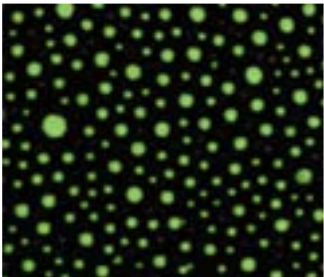
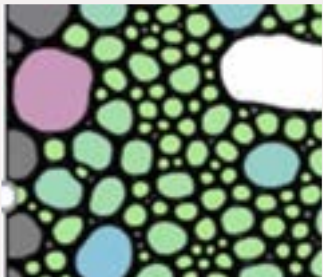

SULTAINES

- Less Regulatory Constraints
- Better Foaming
- Better Skin Feel
- Better Viscosity Building

BETAINES

- Lower Cost
- Widely available



Surfactant	Initial Foam Density, count/mm2		After 300 s Density, count/mm2	Foam Decay,%
Sufrasoft HS100				3.6
Sufrasoft HS200				1.6
Sufrasoft HS600				14.1
Cocamidopropyl Betaine				7.9

Creamy Foam



Non Creamy Foam



WHAT IS CALIFORNIA PROP 65 COMPLIANT?

California Proposition 65, formally the Safe Drinking Water and Toxic Enforcement Act of 1986, is a state law designed to achieve this by requiring businesses to provide "clear and reasonable" warnings about significant exposures to these listed chemicals, which number in the hundreds and are regularly updated by the state. Additionally, Proposition 65 prohibits businesses from knowingly discharging significant amounts of these chemicals into sources of drinking water. Essentially, it's a "right to know" law that empowers consumers to make informed decisions about potential chemical exposures in their daily lives, whether from products they purchase, their workplaces, or the general environment.



SUFRASOFT HS: CALIFORNIA PROP 65 COMPLIANT

SAFE, NATURAL AND SUSTAINABLE

- ① Clean ingredients that meet global standards
- ② Rigorously tested through clinical studies and third-party dermatologists
- ③ Ensuring effectiveness and consumer safety



CDEA RESTRICTIONS

CDEA can form nitrosamines, which are known carcinogens in animal studies and are suspected human carcinogens.



BETAINE RESTRICTIONS

Cocamidopropyl betaine could have trace amounts of dichloroacetic acid (DCA), a substance recognized as a carcinogen.

WHAT WE OFFER?



COCAMIDE MIPA

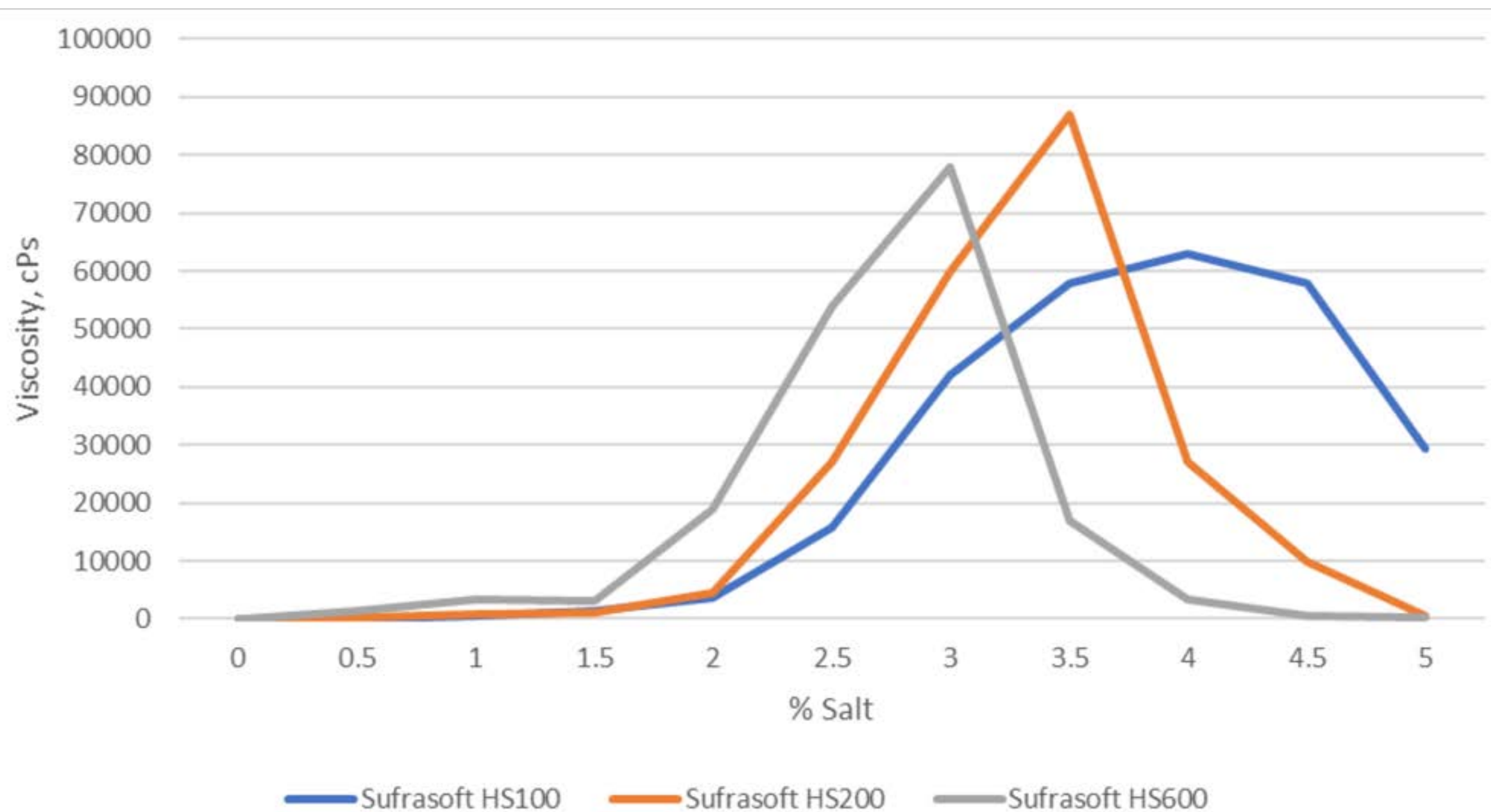
Cocomide MIPA are excellent foam boosters which are least likely to form nitrosamines.



HYDROXY- SULTAINE

Hydroxysultaines are versatile amphoteric surfactants that work in a wide pH range and can substitute for betaines.

SALT CURVE OF **HYDROXSULTAINES**



This is tested in a ternary surfactant system with 11% SLES, 10% of the sultaines (with 17% CAPB), and 2% cocamide MEA

SURFACTANTS IDEAL FOR **HAIR**



Amphoteric surfactants are milder and less irritating; they are perfect for daily shampoo and cleansing products.

Sufrasoft HS has fewer regulatory restrictions due to the absence of DCA and has higher performance than the standard betaine.

SAMPLE FORMULATIONS



Clear Natural Shampoo

PHC-PF-25-030

Key Ingredient

Sufrasoft HS100

NatPro 8000

Conditioning Hair Wash

PHC-PF-24-167

Key Ingredient

Sufrasoft HS100, NatPro 8000,
Neosoft CD, Glyzer CT200,
Natpro 8000



Actives and Functional Ingredients for Hair

Coconut-based Functional and Active Ingredients for Hair

- ✓ Natpro8000
- ✓ Natpro AD
- ✓ Neosoft



NatPro 8000

Broad-spectrum preservative & refatting agent

Glyceryl Caprylate
Glyceryl Caprate
Glyceryl Laurate

NatPro 8000 is a broad-spectrum **natural preservative**. It is a multi-functional natural preservative booster in the formulation of cosmetic products since it functions also as a **co-emulsifier and refatting active**. This product is a natural solution to boost the efficacy of regulated preservatives such as isothiozolines, benzyl benzoate, hydantoins, and phenoxyethanols, at lower dosages.

Features & Benefits



Natural
preservative



Natural co-emulsifier
& superfatting active



Efficacy at pH range from
4.0 – 9.0



Light color and low odor

THIRD PARTY LABORATORY TEST RESULT

Determination of Minimum Inhibition Concentration

Concentration	Bacillus sp. from cosmetics		S. aureus		E. coli		K. pneumoniae		E. aerogenes		C. albicans	
2.00%	-	-	-	-	-	-	-	-	-	-	-	-
1.50%	-	-	-	-	-	-	-	-	-	-	-	-
1.00%	-	-	-	-	-	-	-	-	-	-	-	-
0.70%	-	-	-	-	-	-	-	-	-	-	-	-
0.50%	-	-	-	-	-	-	-	-	-	-	-	-
0.00%	+	+	+	+	+	+	+	+	+	+	+	+

Table I. Minimum inhibitory concentration of NatPro 8000 against 6 most common microbes in that cause cosmetic formulation spoilage. Tube dilution method was used in the study; where duplicate 3-mL test tubes containing appropriate microbial nutrition and varying concentrations of NatPro 8000 were added with microbial inoculum and incubated for 24 hours at 35OC. Culture broth from each test tube was streaked on microbe nutrient plates and incubated at 35OC and room temperature. Growth observation was done after 24 hours. The test was conducted by the University of the Philippines - Natural Science Research Institute Microbiological Research and Service Laboratory.

NATPRO 8000 PRESERVATIVE CHALLENGE TEST

Sample Body Wash Formulation

PHASE	INGREDIENT	%
A1	R0 water	69.10
A2	EDTA	0.10
A3	Coco Glucoside	7.00
A4	Cocamidopropyl Betaine	15.00
A5	Cocamide MEA	3.00
A6	Refined Glycerine	5.00
A7	Natpro 8000	0.50
A8	Fragrance	0.30

Following the MIC, NatPro 8000 successfully reduced the number of microbes and the reduced it to less than 10 CFU/g.

Test Method: PCPC-M3

TEST ORGANISM	INITIAL COUNT (CFU/mL)	VIABLE PALTE COUNT (CFU/g)				
		DAY 0	DAY 7	DAY 14	DAY 21	DAY 28
<i>Aspergillus brasiliensis</i>	3.20x10 ⁴	4.75x10 ⁴	<10	<10	<10	<10
<i>Candida albicans</i>	9.85x10 ⁴	4.35x10 ⁴	<10	<10	<10	<10
<i>Escherichia coli</i>	6.80x10 ⁶	<10	<10	<10	<10	<10
<i>Pseudomonas aeruginosa</i>	1.79x10 ⁶	<10	<10	<10	<10	<10
<i>Staphylococcus aureus</i>	2.50x10 ⁶	2.37x10 ⁵	<10	<10	<10	<10

NATPRO 8000

Challenge Test

Body Butter Formulation ; PCPC-M3 (via Third Party Testing)

Phase	Ingredient	Percentage	Test Organism	Initial Count (CFU/mL)	Viable Plate Count (CFU/g)				
					Day0	Day7	Day14	Day21	Day28
A1	RO Water	64.05	<i>Aspergillus brasiliensis</i>	3.65x10 ⁴	3.70x10 ⁴	<2.50x10 ³	<2.50x10 ³	<2.50x10 ³	<2.50x10 ³
A2	Methlglycine diacetic acid	0.10	<i>Candida albicans</i>	1.55x10 ⁴	7.05x10 ⁴	<10	<10	<10	<10
B1	Glycerin	2.00	<i>Escherichia coli</i>	1.78x10 ⁶	2.60x10 ⁶	<10	<10	<10	<10
B2	Xanthan Gum	0.05	<i>Pseudomonas aeruginosa</i>	1.03x10 ⁷	1.26x10 ⁵	<10	<10	<10	<10
C1	Coconut Butter	8.00	<i>Staphylococcus aureus</i>	2.98x10 ⁶	1.26x10 ⁵	<10	<10	<10	<10
C2	Shea Butter	5.00							
C3	Caprylic/Capric Triglycerides	2.00							
C4	DM100	5.00							
C5	Beeswax	1.00							
C6	Cetearyl alcohol	5.00							
C7	Glyceryl Stearate	6.00							
D1	D-panthenol	0.50							
D2	Fragrance	0.30							
D3	NatPro 8000	1.00							

Preservative	EU Listing	Solubility	COSMOS Approved	pH Range	Dosage	Price	Notes
NatPro 8000	No	Soluble in oil	Approved	4 - 9	< 1.5		Broad spectrum. Can be used for both rinse-off and leave-on.
Caprylyl Glycol	Yes	Slightly soluble in water, soluble in alcohols and oils	Approved	4 - 7	0.5 - 1.5	\$20 - 50	More effective against yeasts and molds. Combined usually with strong gram positive and gram negative preservative.
Anisic Acid	Yes	Slightly soluble in waterSoluble in alcohols and oils	Approved	4 - 6	0.1 - 0.5	\$10 - 20	Moderately effective. Slight characteristic odor. In combination with levulinic acid.
Levulinic Acid	Yes	Slightly soluble in waterSoluble in alcohols	Approved (if sourced from plant-based sugars)	3 - 5	0.5 - 2.0	\$5 - 10	Moderately effective. Slight characteristic odor and slight caramel color. In combination with anisic acid.
Phenoxyethanol	Yes	Slightly soluble in waterSoluble in alcohols	No	3 - 7	0.5 - 1.0	\$5 - 10	Broad-spectrum. Popular synthetic preservative.
Methyl paraben	Yes	Slightly soluble in waterSoluble in alcohols	No	4 - 8	< 0.4	\$5 - 10	Effective against molds and yeasts. Usually used with Ethyl paraben.
Ethyl paraben	Yes	Slightly soluble in waterSoluble in alcohols	No	4 - 8	< 0.4	\$5 - 10	Usually used with Methyl paraben. Strong against molds and yeasts.
Capryl hydroxamic acid	Yes	Slightly soluble in waterSoluble in oils	Approved	4 - 6	0.1 - 0.3	\$30 - 50	Primarily a chelator, usually used in combination with other preservatives. Not a standalone preservative.
Potassium Sorbate	Yes	Slightly soluble in water	No	3 - 8	< 0.5	\$10 - 20	Effective against molds and yeasts.
DMDM Hydantoin	Yes	Soluble in water	No	3 - 8	< 0.5	\$5 - 10	Formaldehyde releaser.



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NatPro AD

Antidandruff Active

NatPro AD

ANTIDANDRUFF ACTIVE

Cocamidopropyltrimonium Methosulfate (AND)
Undecylenamidopropyltrimonium Methosulfate

NatPro AD is a 50% active of cocamidopropyltrimonium methosulfate and undecylenamidopropyltrimonium methosulfate that are effective against bacteria and fungi. It is used as an alternative or a partial replacement to both zinc pyrithione and piroctone olamine

Features & Benefits



**Natural
active**



Water Soluble



**Compatible with anionic
surfactants**



Light color and low odor



TECHNICAL SPECIFICATION

Properties	Specifications
Appearance @ 25 °C	Clear liquid
Color	Yellow to amber
Active, %	50-53
Free Amine, %	0.5 max.

NatPro AD

ANTIMICROBIAL RESULTS

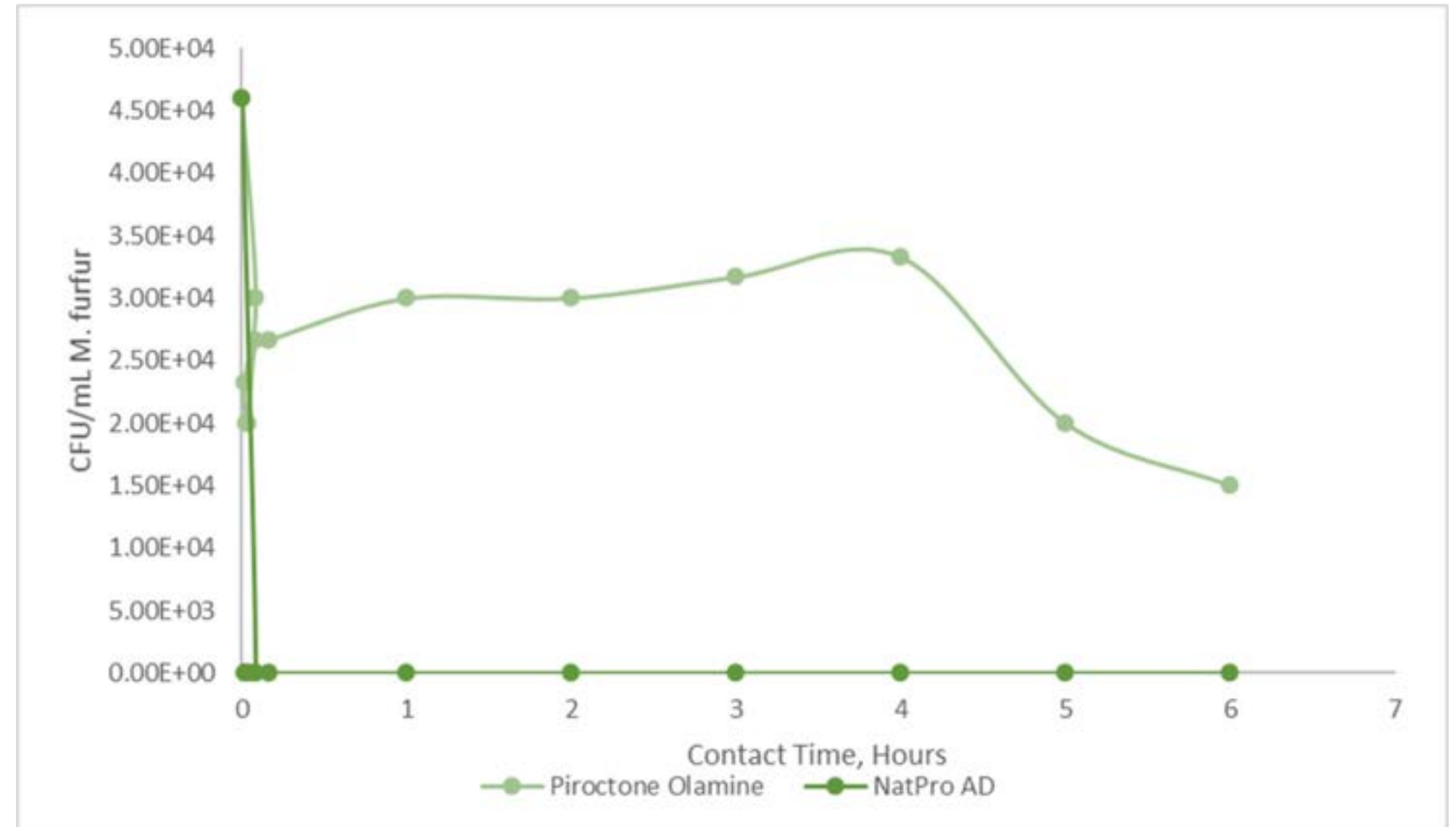
We tested the Minimum Bacteriocidal Concentration and the Minimum Fungicidal Concentration. The main cause of fungal dandruff is the *Malassezia furfur*, which primarily feeds on excess sebum and other deposits in the scalp. At 4,500 ppm max NatPro AD displayed effective results that successfully killed M. furfur. NatPro AD also showed evident activity against other microbial agents, enabling the formulator to use less preservatives in their formulation.

MICROBE	MBC/MFC, ppm (based on mass)
Bacillus sp. from cosmetics	300
S. aureus	650
E. coli	275
K. pneumoniae	750
E. aerogenes	174
C. albicans	673
M. furfur	975-4500
P. aeruginosa	950

NatPro AD

VERSUS PIROCTONE OLAMINE

In a third party testing, we compared the efficacy of piroctone olamine and NatPro AD for fungistatic activity. The log reduction of NatPro AD is very fast and effective, bringing down the number of CFU in the sample to almost zero. Piroctone olamine has similar effect in log reduction and has a noticeable reduction at the fifth hour of testing. NatPro AD is very effective against *M. furfur*.





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Neosoft CQ90

CTAC/BTAC Replacement Natural Hair Conditioner

Neosoft CQ90

HAIR CONDITIONER ACTIVE

DICOCOYLETHYL HYDROXYETHYLAMMONIUM
METHOSULFATE, COCOGLYCERIDES, BUTYLENE GLYCOL



Neosoft CQ90 is a biodegradable, sustainable **hair and skin softener** that **manages hair without build-up**. It's a more environmentally friendly alternative to traditional softeners like CTAC and BTAC.

Features & Benefits



Coconut-based



Cold-dispersible in
water



Does not build-up
on hair



Makes hair soft, silky,
and tangle-free



95% Active

NEOSOFT CQ90 | Application and Recommended Dosage



Hair Conditioner
0.5 - 2.0% w/w



Hair Mask
0.5 - 2.0% w/w

Regulatory Listings

- Australia (AICS)
- Canada (DSL)
- China (IECSC)
- Japan (ENCS)
- South Korea (KECI)
- New Zealand (NZIoC)
- Taiwan (NECI)













Notable Replacements and Competing Brand/s:

Replaces Cetrimonium Chloride, Behentrimonium Chloride and Stearamidopropyl Dimethylamine as primary hair conditioning actives.
Recommended to use with other conditioning actives for best performance.



Properties	Neosoft CQ90	Neosoft CD	Neosoft SD
Appearance @ 25 °C	Liquid	Liquid	Liquid
% Active	95%	90%	20%-25%
Biodegradability	Readily Biodegradable		
Water Solubility	Dispersible	Soluble	
Regulatory Constraints	None		
Ionic Charge	Cationic	Low pH (4.5 and below): Cationic Neutral to High pH (>4.5): Free Amine	
Environmental Toxicity	Not expected to be toxic to the environment		
Foaming Ability	No foam	Slight Foam	Slight Foam

Neosoft CQ90

	Chemistry	Target pH	Max Dosage	Solubility	Shampoo	Conditioner	Rinse-off Hair Products	Leave-on
Neosoft SD 1	Amidoamine	3.0 – 4.5	10.0%	Water soluble	 Clear/ Opaque			
Neosoft CD 1	Amidoamine	3.0 – 4.5	10.0%	Water soluble	 Clear/ Opaque			
Neosoft CQ90 3	Esterquat	3.0 – 4.5	5.0%	Water dispersible	 Opaque			

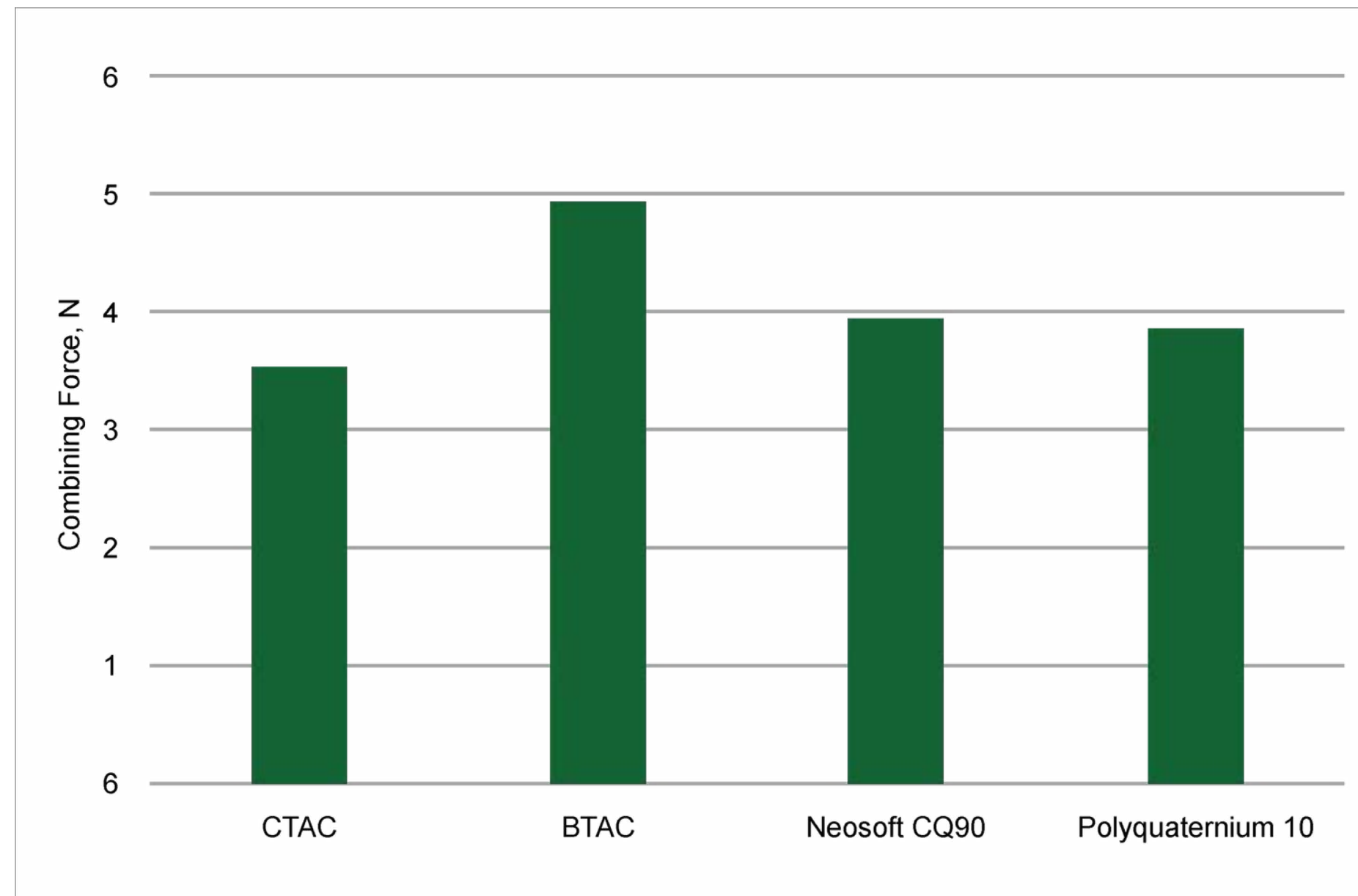
Procedure

- 1
- Add Water to a clean container, start mixing.
- .
- 2
- Add EDTA, mix until fully dissolved.
- .
- 3
- In a separate container, mix Guar Hydroxypropyltrimonium Chloride and Glysoft RG. Slowly add into bulk. Mix until homogenous, heat up to 75°C-80°C.
- .
- 4
- Add Neosoft CQ90 and NatPro AD, mix after each addition until homogenous.
- .
- 5
- In a separate container, load Glyzer CB100, Glyzer CT100, Cetyl Alcohol and Glyzer CE300. Heat up to 70-80°C until fully melted. Slowly add to Phase A while mixing until emulsified, mix for 10 minutes, and cool down to 40°C.
- .
- 6
- At 40°C, add Panthenol, Nat Pro 8000, Fragrance, and Lactococcus Ferment Lysate. Continue mixing until completely homogeneous.
- .
- 7
- Add Hydroxypropyl Starch Phosphate, mix until fully dispersed. Homogenize for 2 minutes until uniform. Fill in the desired container.
- .

Order	Ingredient	INCI Name		Function	%
A1	Water	Aqua		Diluent	q.s to 100
A2	EDTA	Tetrasodium EDTA		Chelating Agent	0.10
A3	Guar Hydroxypropyltrimonium Chloride	Guar Hydroxypropyltrimonium Chloride		Conditioning Agent	0.20
A4	Glysoft RG	Glycerin		Humectant	2.00
A5	Neosoft CQ90	Dicocoylethyl hydroxyethylammonium methosulfate, Cocoglycerides, Butylene glycol		Conditioning Agent	0.5%
A6	NatPro AD	Cocamidopropyltrimonium methosulfate, Undecylenamidopropyltrimonium methosulfate		Anti-dandruff active	3.00
B1	Glyzer CB100	Cocos nucifera (Coconut) Seed Butter		Emollient	5.00
B2	Glyzer CT100	Caprylic/Capric Triglyceride		Emollient	3.00
B3	Cetyl Alcohol	Cetyl Alcohol		Opacifier	5.00
B4	Glyzer CE300	Coco caprylate/caprate		Emollient	6.00
C1	Panthenol	Panthenol		Humectant	3.00
C2	NatPro 8000	Glyceryl Caprylate (and) Glyceryl Caprate (and) Glyceryl Laurate		Preservative	0.50
C3	Fragrance			Aesthetic	1.00
C4	Lactococcus Ferment Lysate	Lactococcus Ferment Lysate		Skin Barrier Enhancement Active	1.00
C5	Hydroxypropyl Starch Phosphate	Hydroxypropyl Starch Phosphate		Rheology Modifier	3.00

Neosoft CQ90

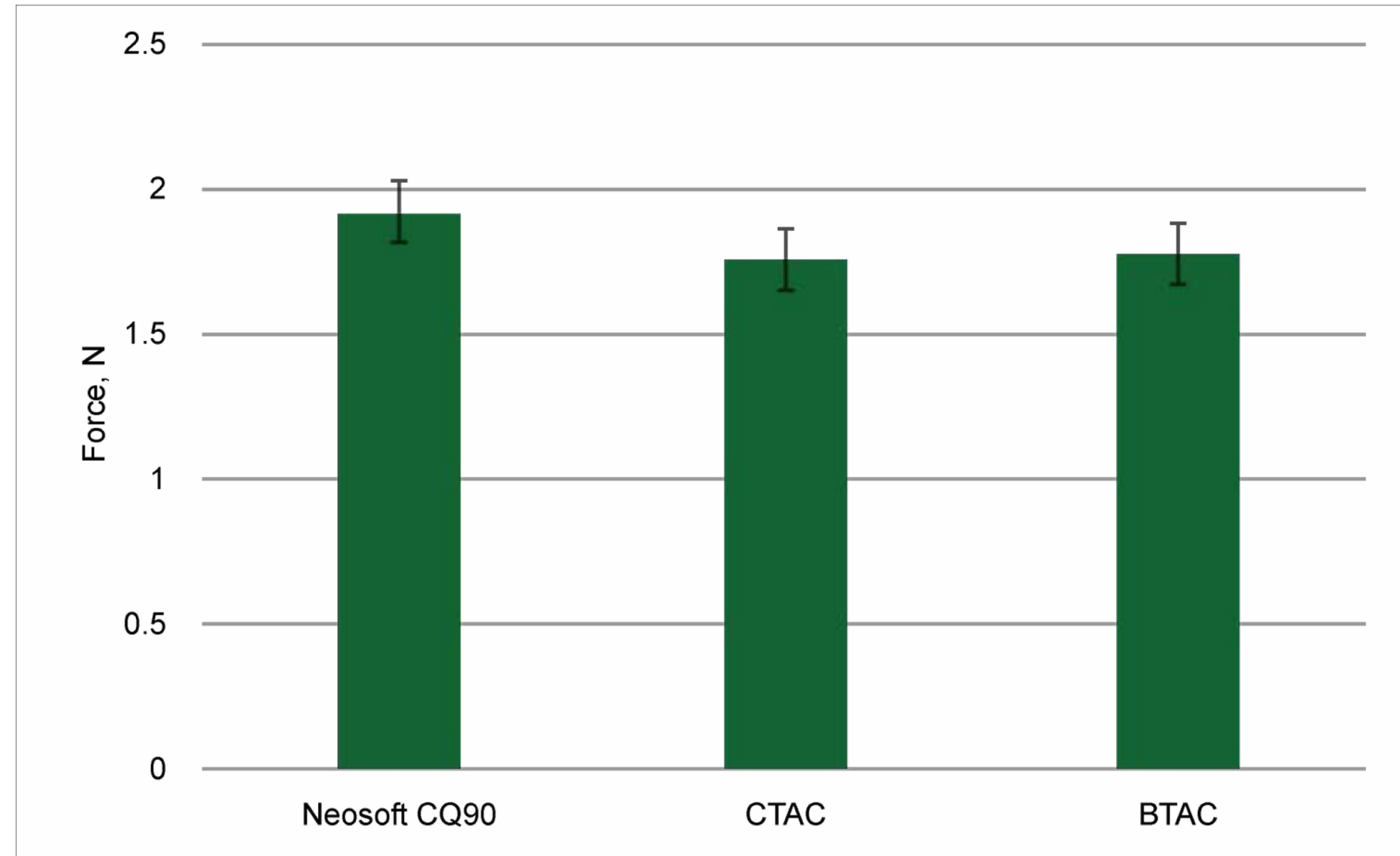
Combing Force



The combing force performance of was tested in hair tresses using standard laboratory spring force balance.
The performance of Neosoft CQ90 matches that of CTAC, Polyquaternium-10, and is better than BTAC

Neosoft CQ90

Single Strand Test



The single stand tensile strength test was tested using the same hair tresses with a laboratory spring force balance. Neosoft CQ90 was able to fortify the hair strands better than that of CTAC and BTAC after the continuous application within 7 days.

Neosoft CQ90 Formulation Tips



Neosoft CQ90 is cationic. Include in formulations with no anionic ingredients.

Some anionic surfactants: SLES, ALS, Sodium Lauryl Sarcosinate, LABSA, Potassium Cocoate

Some anionic emulsifiers: Potassium, Sodium, and Ammonium Salt of Lauric and Oleic Acid



Clarity of Neosoft CQ90 at different dosages. Neosoft CQ90 is dispersible in water. Formulators need to utilize solubilizers, hydrotropes or emulsifiers for stability and homogeneity.



Keep pH 3.5 ~ 4.5



Avoid adding anionic ingredients.

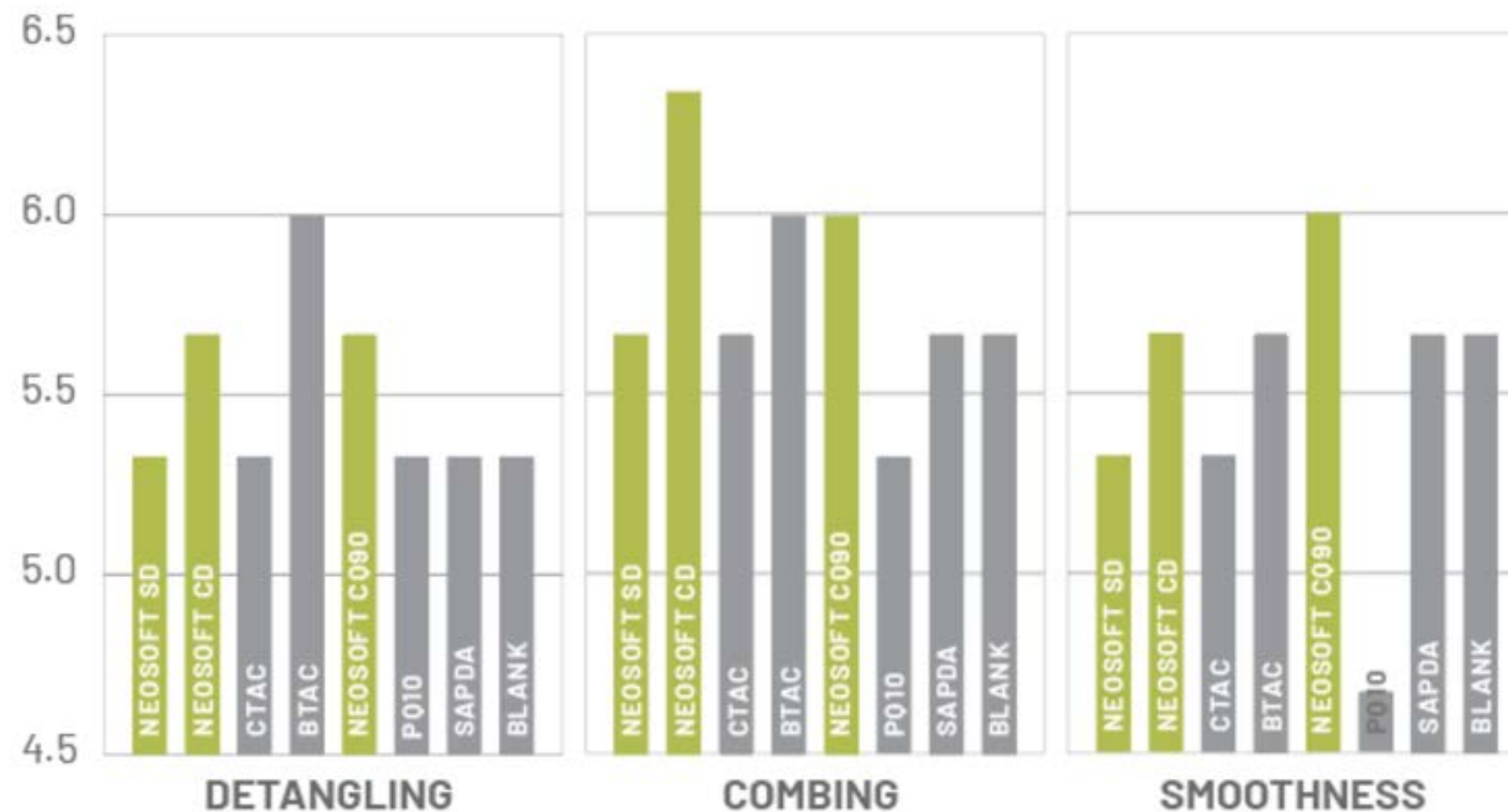


Advisable to use fatty alcohols in the formulation due to overall compatibility with cationics.



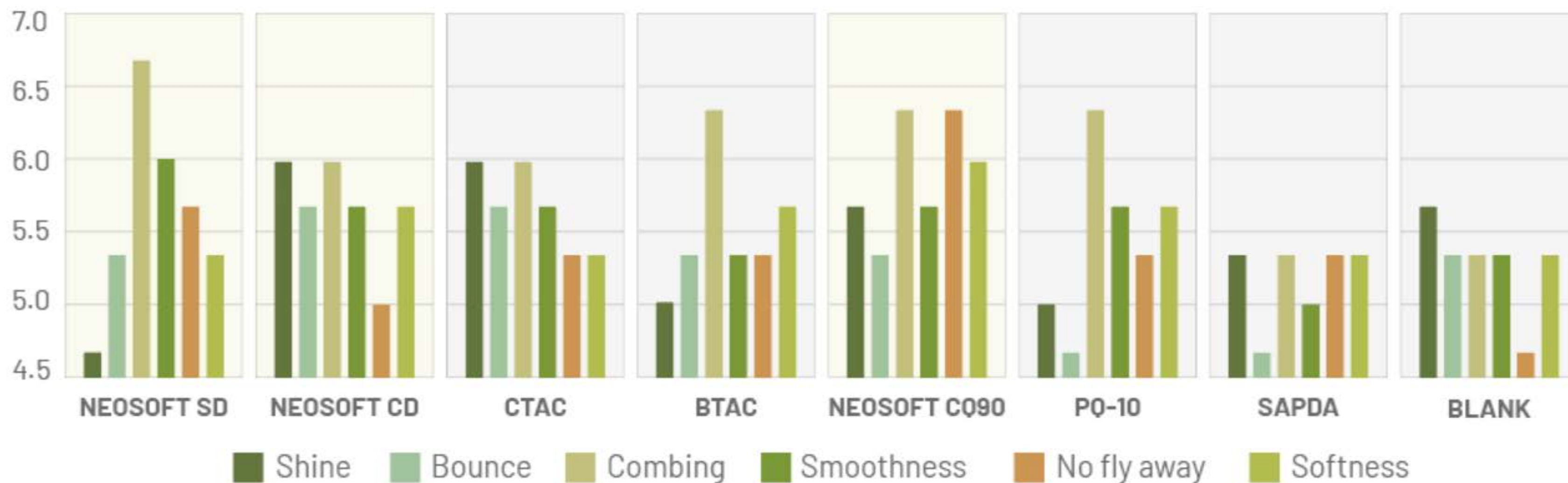
Can add with other conditioning agents.

Dry Hair Properties



We incorporated different hair conditioning actives into a hair conditioner formulation and evaluated their sensory properties on wet and dry hair. Data shows that there are some parameters where Neosoft is effective while there are some where it has poor performance.

Wet Hair Properties



Sample Formulations



Hair Conditioner

PHC-PF-20-074

Glyzer CT200, Neosoft CD



Antidandruff Conditioning Wash

PHC-PF-24-069

**NatPro AD, Neosoft CD, Glyzer
CT200, Glyzer CB100, Sufrasoft
HS100**



Leave in Hair Conditioning Mist

PHC-PF-24-169

**Neosoft SD, Glysoft RG, Emulsier
GMS 100, Glyzer CT100, Glyzer
CT200**



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Glyzer

Natural Coconut-based Emollients

Glyzer CT











Coconut Triglycerides Emollients

	INCI Name / CAS Number	ISO 16128-1 / RCI	Certifications and EWG Rating	Color APHA	S.G.
Glyzer CT100	Caprylic/Capric Triglyceride 73398-61-5	100, 1	   	50 max	0.93 – 0.96
Glyzer CT200	Caprylic/Capric/Lauric Triglyceride 68991-68-4	100, 1	   	50 max	0.93 – 0.96
Glyzer CT500	Cocoglycerides 68606-18-8	100, 1	   	50 max	0.93 – 0.96
Glyzer CT600	Tricaprylin 538-23-8	100, 1	   	50 max	0.93 – 0.96

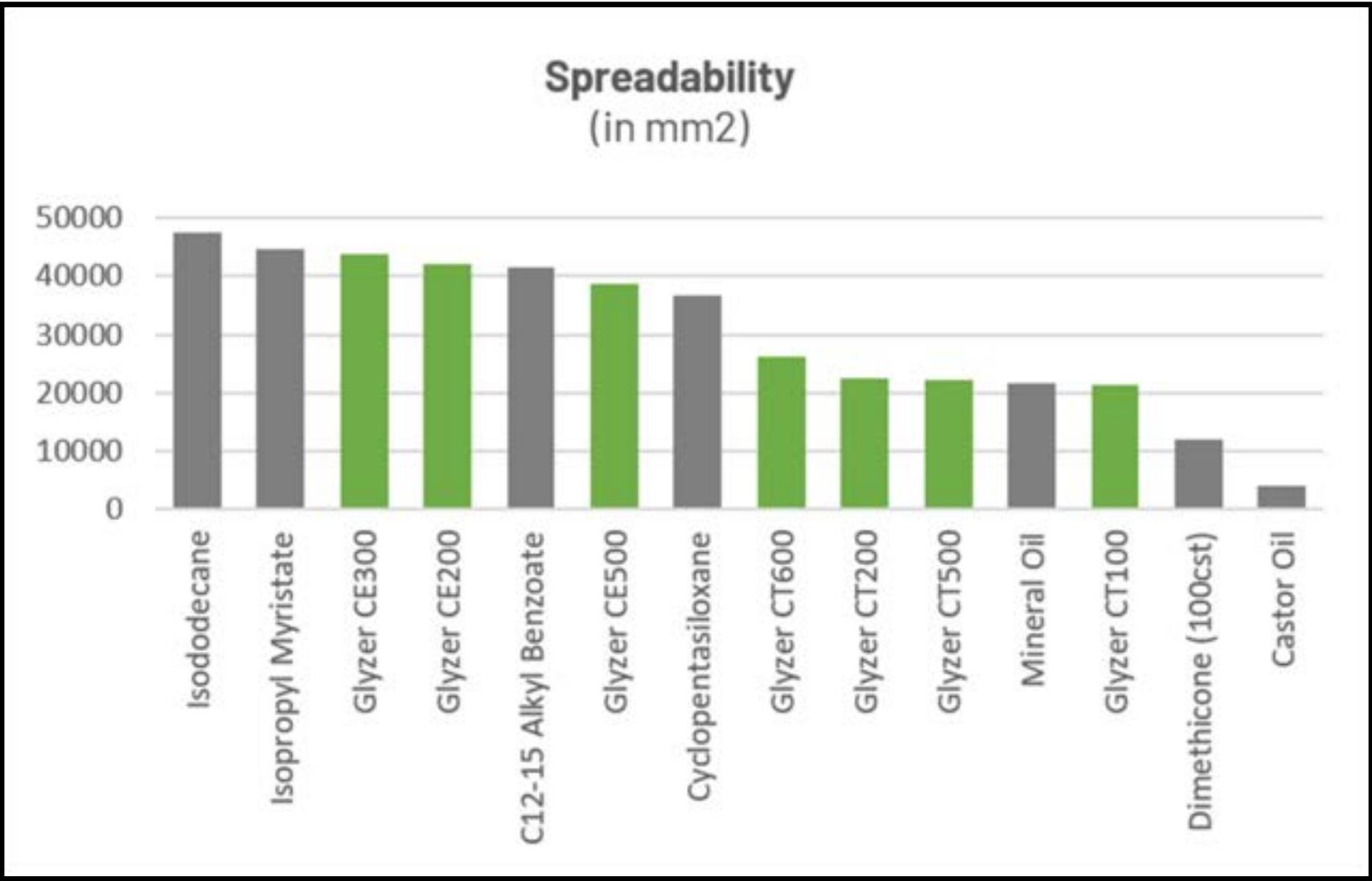
Glyzer CT are different grades of coconut-derived vegetable triglycerides for that characteristic oily skin feel. Highly effective as emollients, moisture barriers, and medium-spreading performance in your formulations. They are palm-free and all-natural.

Glyzer CE

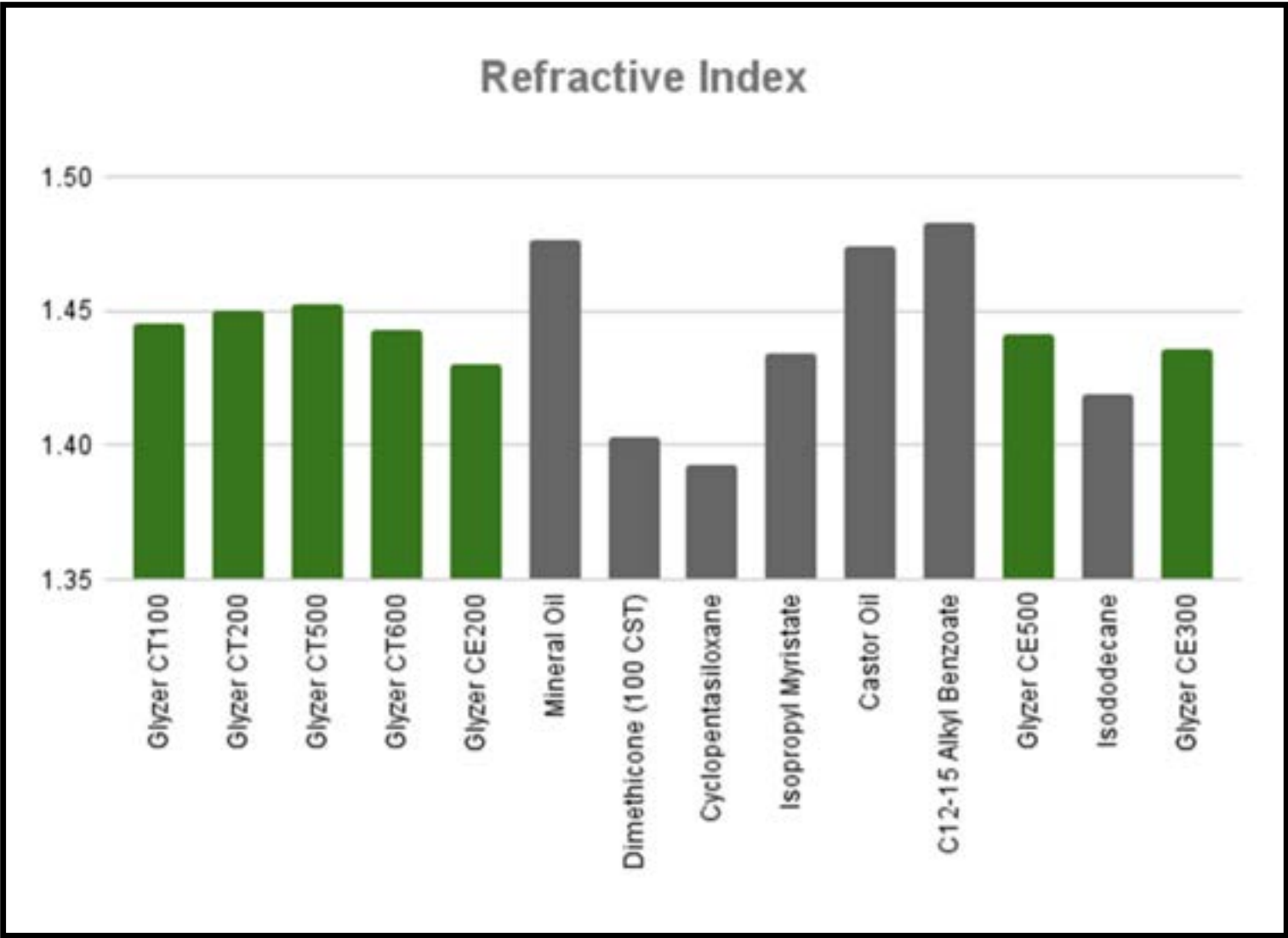
Fast-spreading Emollient

	INCI Name / CAS Number	ISO 16128-1 / RCI	Certifications and EWG Rating	Color APHA	S.G.
Glyzer CE200	Isoamyl Laurate 6309-51-9	100, 1	   	100 max	0.85 – 0.95
Glyzer CE300	Coco Caprylate / Caprate 95912-86-0	100, 1	  	50 max	0.83 – 0.88
Glyzer CE500	Butylene Glycol Dicaprylate/ Dicaprates 4196-74-1	100, 1	  	50 max	0.83 – 0.88

Glyzer Series Evaluations



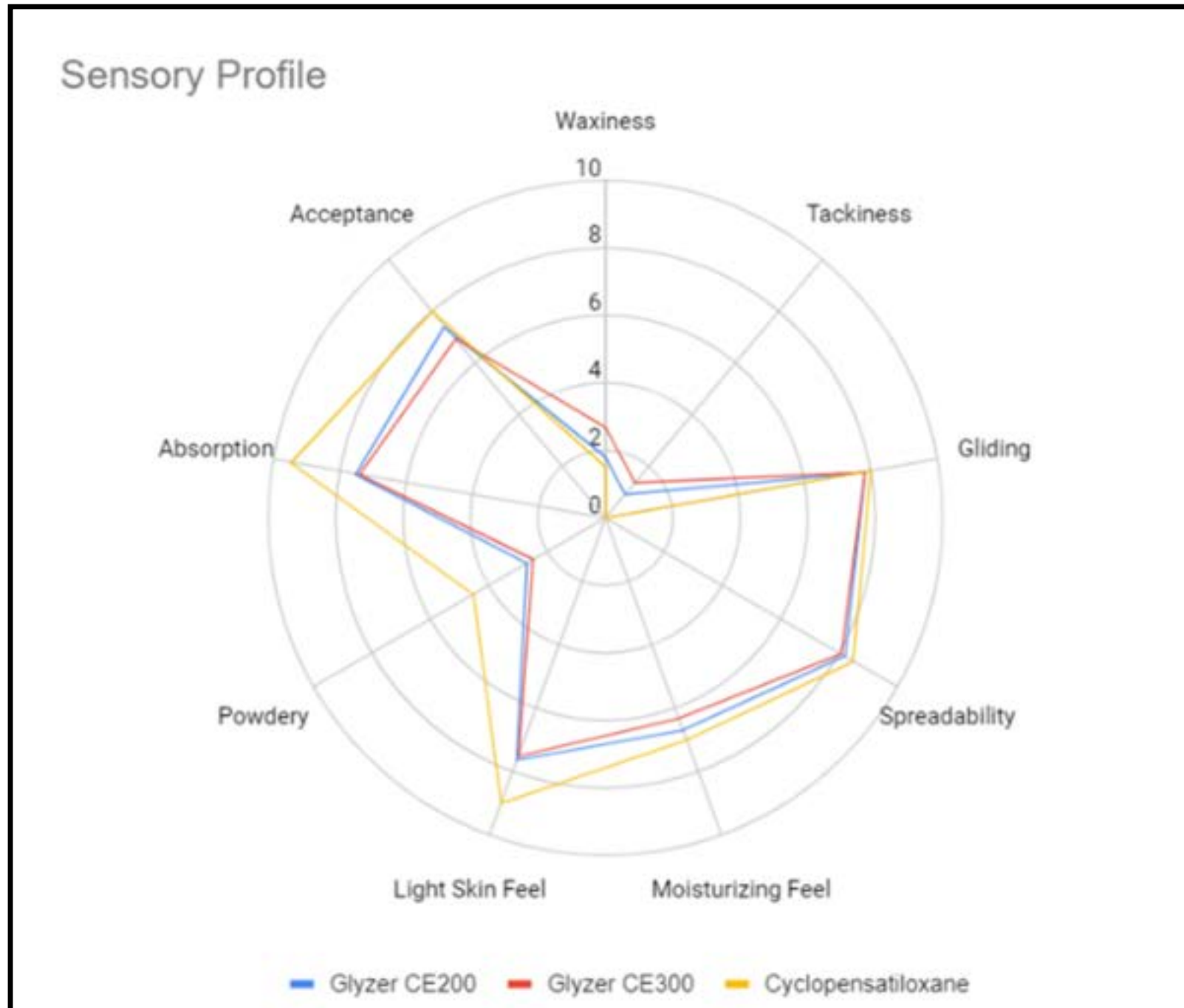
Spreadability comparison of Glyzer emollients against other cosmetic emollients.



Emollient refractive index. Higher refractive index means higher gloss on the surface.

Glyzer CE

Silicone-like Sensory



We compared the sensory profile of our esters with cyclopentasiloxane (D5).

Notable Characteristics:

- 🌿 Luxurious with very light waxiness feel
- 🌿 Extended playtime; lasts very quickly on your skin
- 🌿 Almost no stickiness detected
- 🌿 Silicone-like glide on your skin
- 🌿 Non-greasy and non-tacky feel

Glyzer CE

Silicone-like Sensory

Volatile
Cyclomethicones



Glyzer
CE200

Low Viscosity
Dimethicone;
PDMS



Glyzer
CE300

Glyzer CT200

High Lauric Content for Hair Benefits

Smoothing and Repairing Damaged Hair

Before Application



After Application



The damaged hair strand have open hair cuticles resulting to rough texture. Upon application of **GLYZER CT**, the strand became smooth keeping hair cuticles intact.

Enhancing Hair Shine

Before Application



After Application

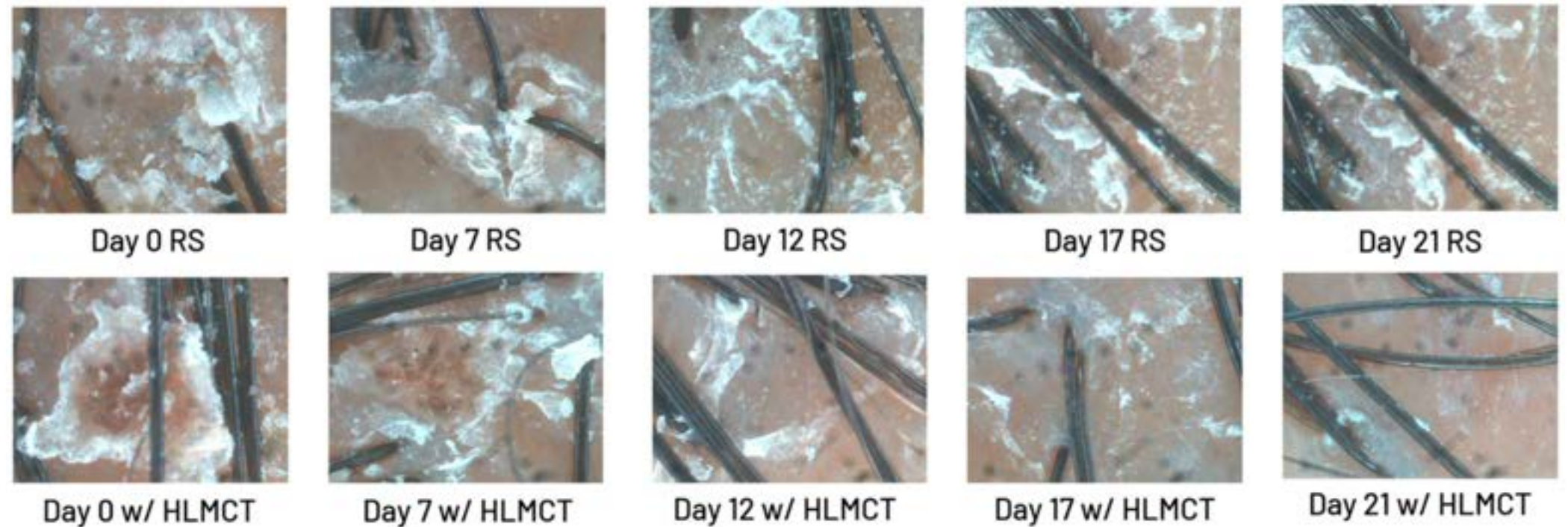
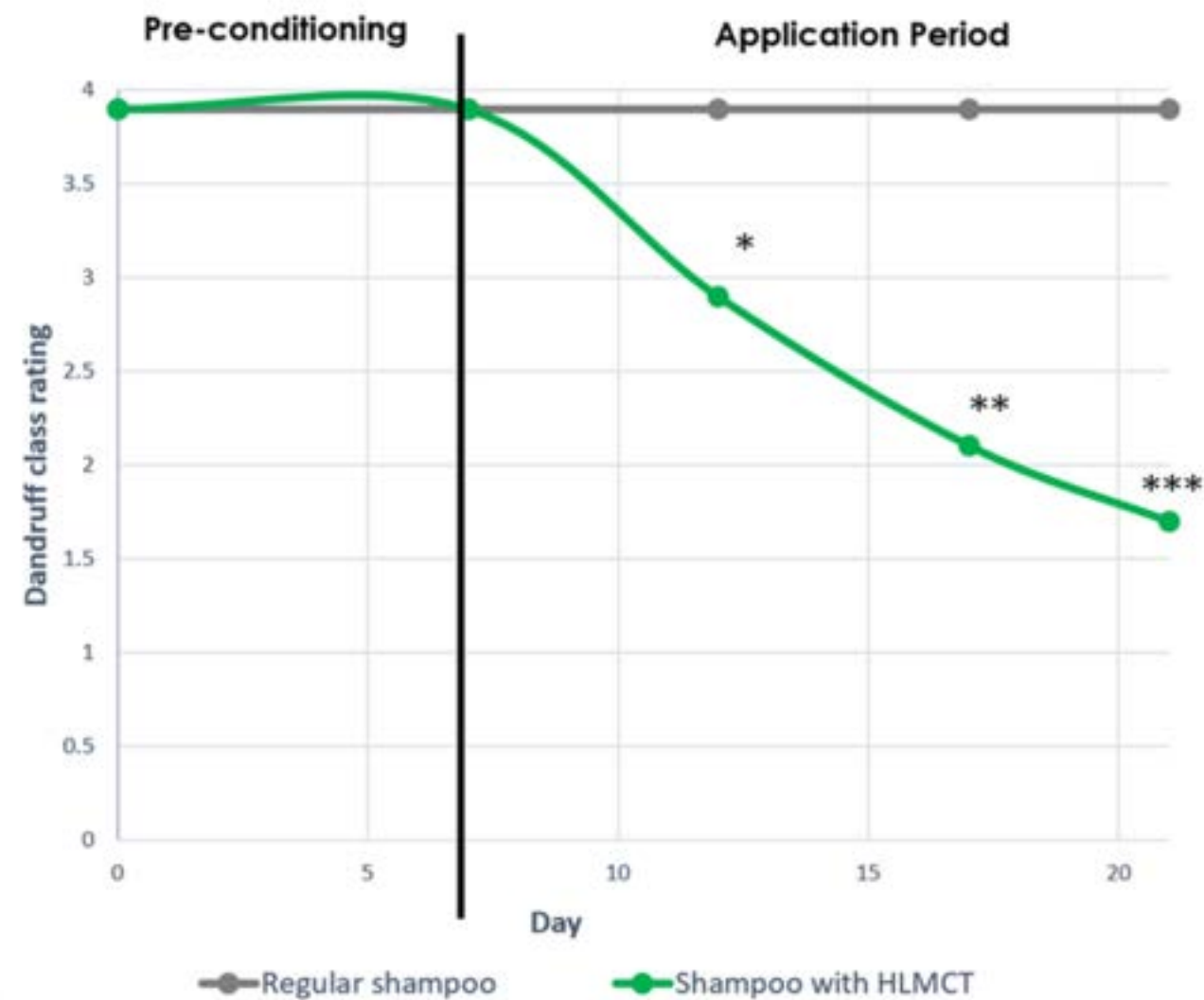


GLYZER CT improves the shine of the hair strands creating a thin-film on each strand.

Glyzer CT200

High Lauric Content for Hair Benefits

14% Glyzer CT200 was incorporated in a shampoo formulation and subjected to split scalp clinical test (n=15) in comparison with a standard shampoo. Over 21 days of testing there is significant reduction of visible dandruff flakes on the scalp and reduced itchiness scores.



SAMPLE FORMULATION



Scalp Moisturizer with SPF30

PHC-PF-23-238

**Glyzer CT500, Glyzer
CT200**



Hair Cream

PHC-PF-24-070

**Glyzer CT200, Sufrapure
LE, Cocolatum 501, NatPro
8000**



Flyaway and Styling Stick

PHC-PF-23-219

**Glyzer CE300, Cocolatum
503, NatPro 8000**

Thank You!



**Your feedback
is important
to us!**



Clean. Green. Sustainable Ingredients

all from the goodness of coconuts



Mild **SURFACTANTS**

Skin-loving **EMOLLIENTS**

Easy to use **BLEND CONCENTRATES**

Functional **SPECIALTY INGREDIENTS**

